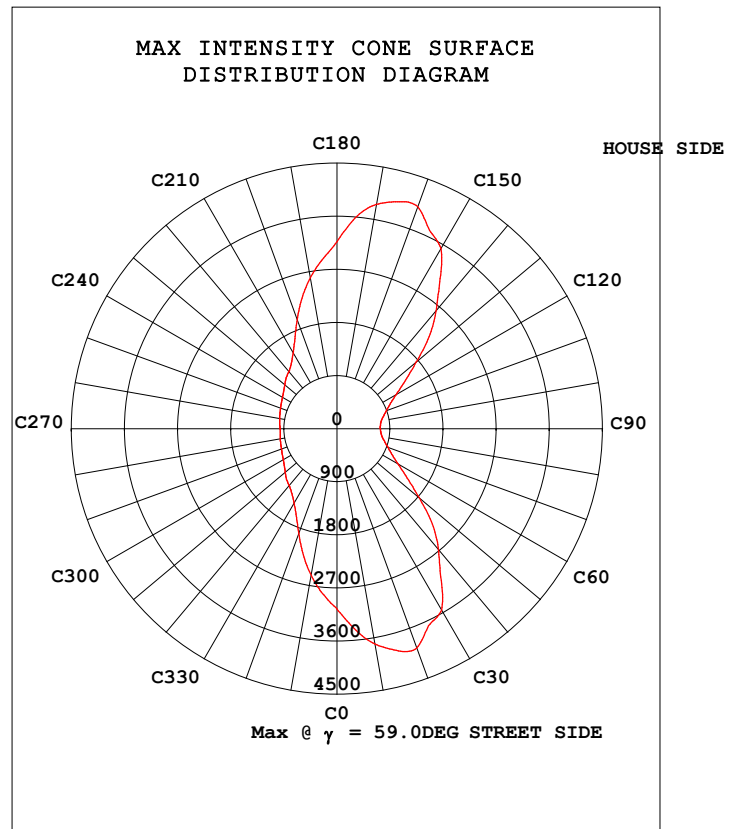
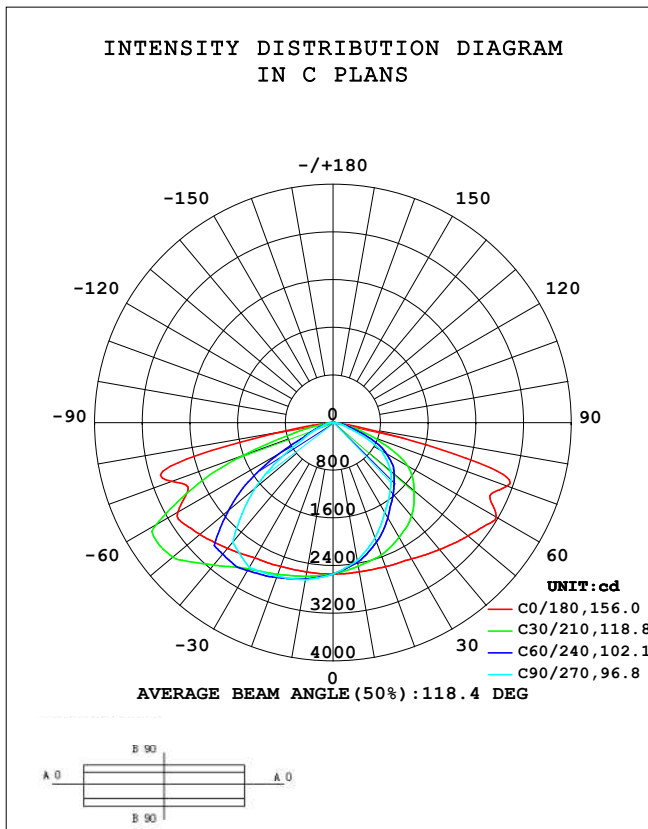


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.49 lm/W			
MODEL	LED	Imax (cd)	4004	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	50.9
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9422	η house_up (%)	0.0
NOMINAL FLUX (lm)	9422	MAXIMUM @ (C, γ)	160,59.0	η house_down (%)	49.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.092



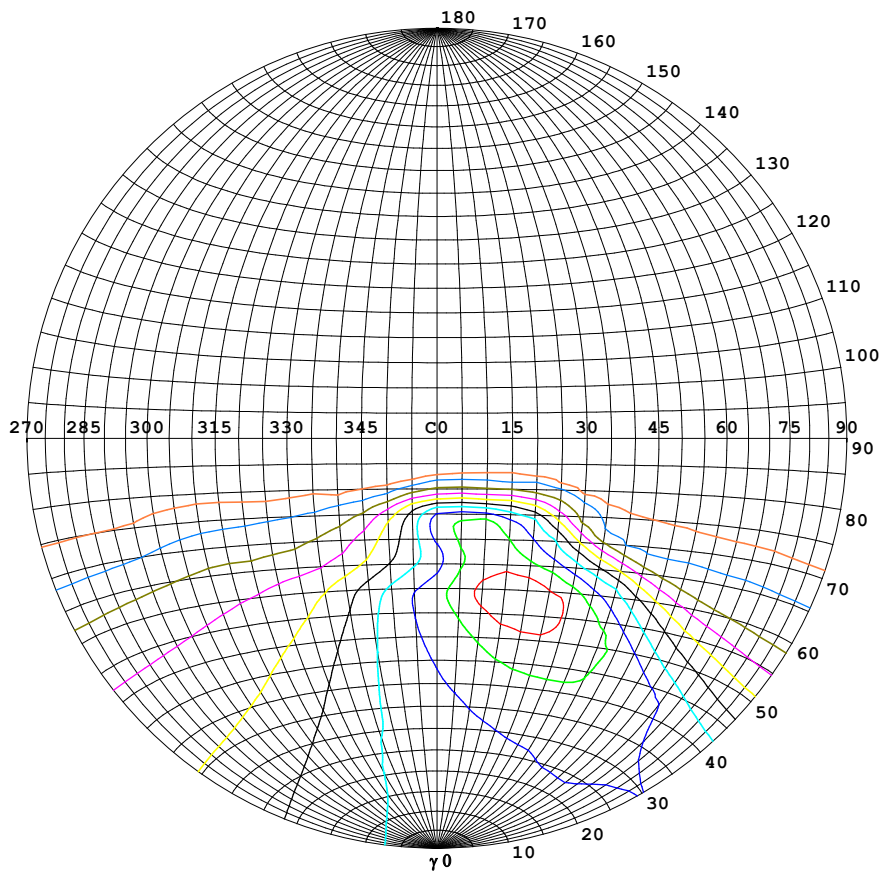
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



Classification:

IES:Type IV - Short

CIE:Broad - Short

IES:Cut-off

CIE:Semi-cut-off

Max.At80:95.72cd/klm

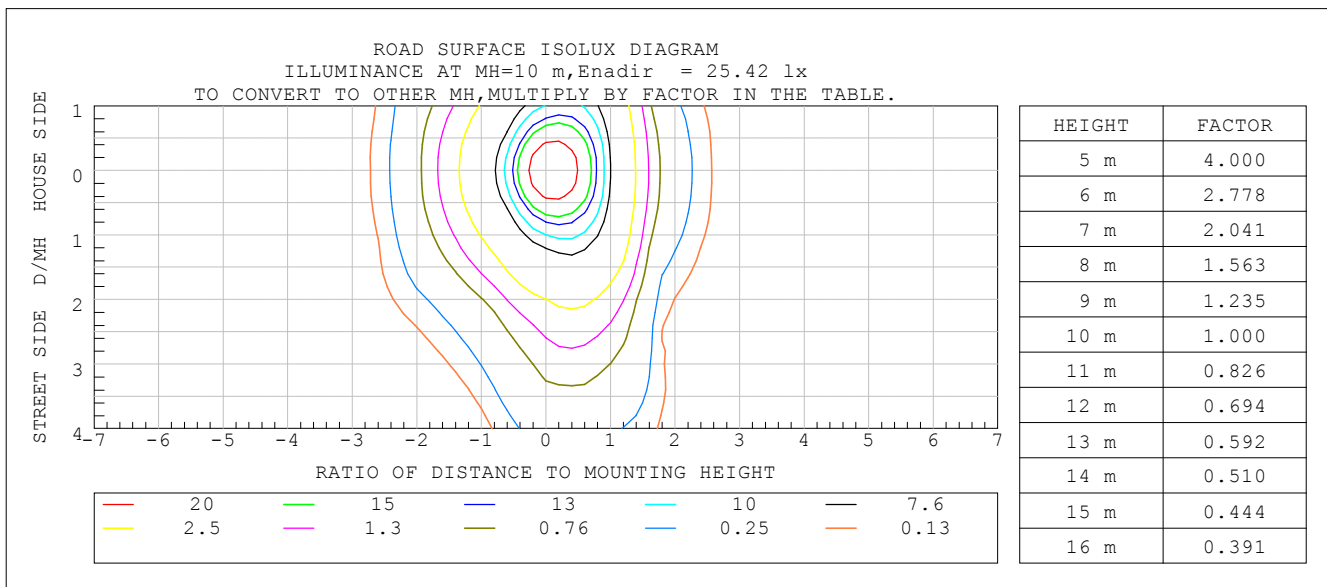
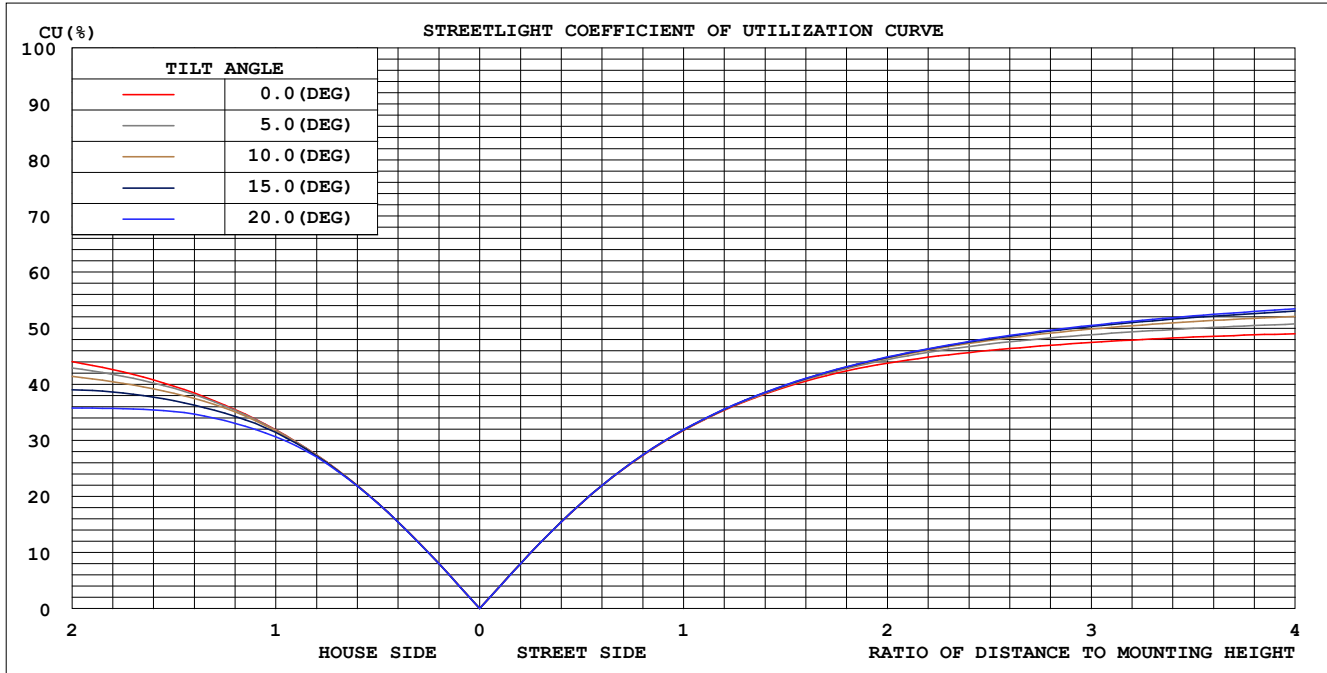
Max.At90:3.924cd/klm

Max.80-90:95.72cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4004
90%	3604
80%	3203
70%	2803
60%	2403
50%	2002
40%	1602
30%	1201
20%	801
10%	400
5%	200

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

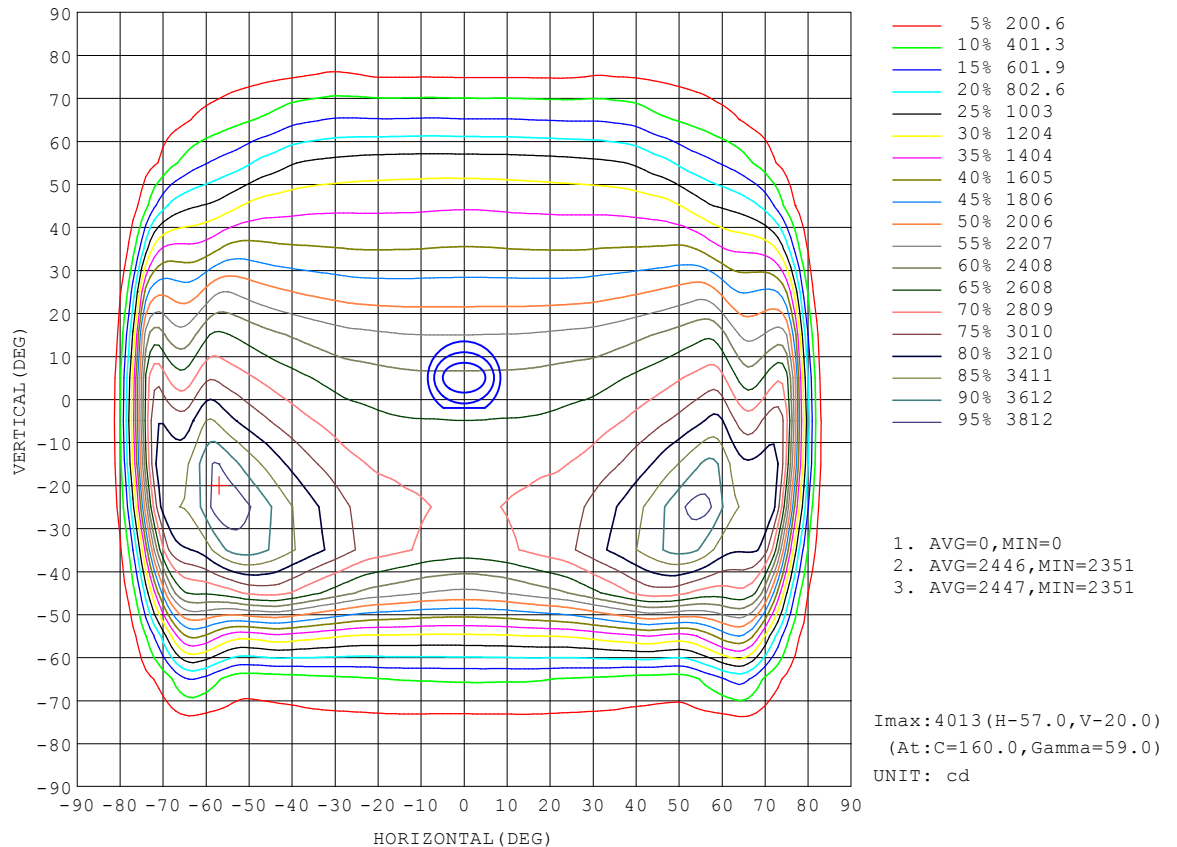
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	2544	2591	2610	2591	2543	2474	2446	2475	0- 5	60.64	60.64	0.64,0.64
10	2546	2646	2677	2647	2543	2406	2351	2410	5- 10	181.0	241.7	2.56,2.56
15	2553	2700	2710	2699	2553	2332	2206	2337	10- 15	298.8	540.5	5.74,5.74
20	2570	2746	2743	2748	2572	2230	2062	2233	15- 20	411.9	952.3	10.1,10.1
25	2596	2812	2775	2810	2600	2125	1900	2126	20- 25	520.4	1473	15.6,15.6
30	2623	2867	2808	2870	2641	2001	1739	2001	25- 30	622.5	2095	22.2,22.2
35	2685	2947	2712	2973	2709	1857	1616	1856	30- 35	718.2	2814	29.9,29.9
40	2756	3065	2617	3104	2782	1714	1494	1707	35- 40	807.3	3621	38.4,38.4
45	2833	3126	2160	3144	2867	1605	1383	1596	40- 45	883.3	4504	47.8,47.8
50	2920	3150	1703	3143	2957	1479	1272	1472	45- 50	928.8	5433	57.7,57.7
55	3006	2681	1166	2636	3062	1344	1102	1335	50- 55	940.1	6373	67.6,67.6
60	3012	2128	629.6	2049	3163	1177	931.7	1169	55- 60	905.2	7278	77.2,77.2
65	2687	1079	422.9	1034	2907	925.2	610.4	911.2	60- 65	778.9	8057	85.5,85.5
70	2886	360.4	216.3	341.0	3111	615.0	289.0	600.4	65- 70	603.8	8661	91.9,91.9
75	2827	201.5	148.5	197.3	2308	301.1	192.4	302.6	70- 75	459.3	9120	96.8,96.8
80	870.8	122.8	80.68	122.2	429.1	155.1	95.68	155.6	75- 80	236.9	9357	99.3,99.3
85	73.92	34.45	0	34.66	41.68	33.80	0	33.67	80- 85	57.84	9415	99.9,99.9
90	36.97	0	0	0	32.82	0	0	0	85- 90	6.993	9422	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

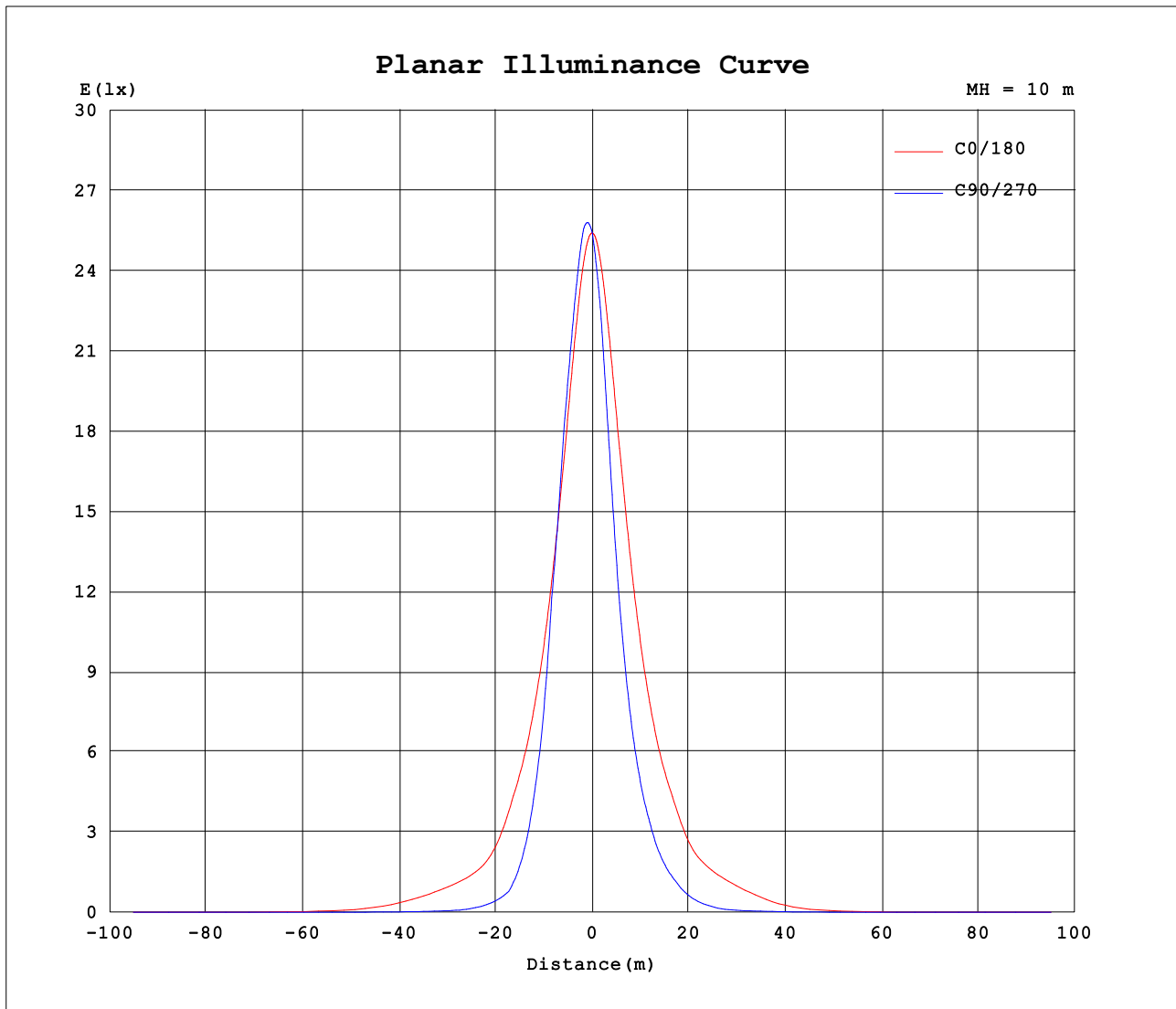
Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



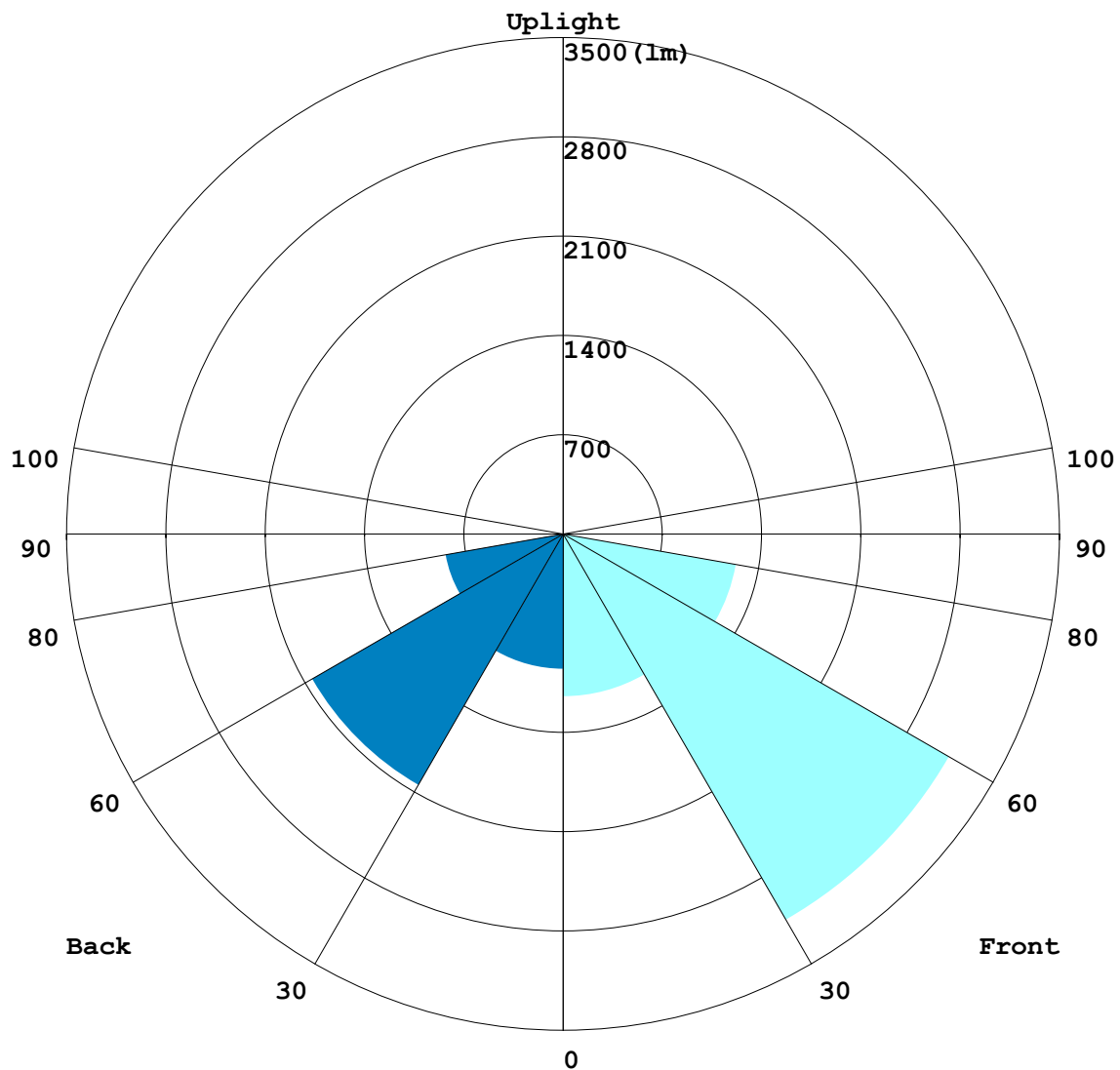
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1144.7	12.1
FM - Front-Medium(30-60)	3140.2	33.3
FH - Front-High(60-80)	1238	13.1
FVH - Front-Very High(80-90)	38.485	0.4
Total Forward Light	5561.3	59.0

BL - Back-Low(0-30)	950.65	10.1
BM - Back-Medium(30-60)	2042.9	21.7
BH - Back-High(60-80)	840.79	8.9
BVH - Back-Very High(80-90)	26.344	0.3
Total Back Light	3860.7	41.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3860.7	0	3860.7
Street Side	5561.3	0	5561.3

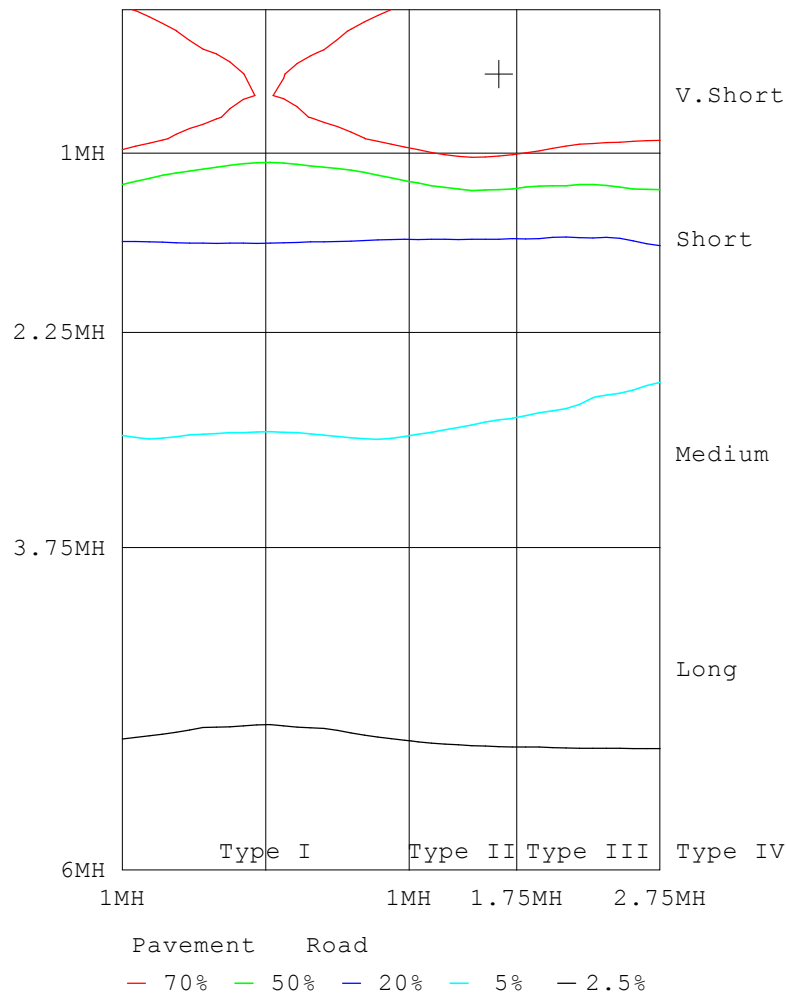
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.2815A P:60.99W PF:0.9809 Lamp Flux:9422x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```